## Message Text

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TO AMEMBASSY OTTAWA IMMEDIATE

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E.O. 11652: GDS

TAGS: ENRG

SUBJECT: US PAPER ON SUBMISSION TO IEA OF CRUDE OIL COST DATA

1. PLEASE PASS TO HOPPER THE FOLLOWING US PAPER FOR CONSIDERATION BY THE NOVEMBER 18 MEETING OF THE IEA STANDING GROUP ON THE OIL MARKET. BEGIN TEXT: SUBJECT: A METHOD TO PROTECT PROPRIETARY DATA IN THE REPORTING OF CRUDE OIL COSTS TO IEA.

IN THEIR REPORTING OF CRUDE OIL COSTS, BY 16 SELECTED CRUDE OIL STREAMS, A NUMBER OF COUNTRIES HAVE SINGLE-COMPANY AND TWO-COMPANY INFORMATION TO REPORT FOR SOME CRUDE OILS. THE FOLLOWING PROCEDURE IS OFFERED FOR CONSIDERATION BY SOM AS A MEANS BY WHICH FULL REPORTING OF CRUDE OIL COST DATA TO IEA CAN BE MOST CLOSELY APPROXIMATED WITHOUT REVEALING INDIVIDUAL COMPANY INFORMATION.

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UNDER THIS PROCEDURE FOR CRUDE OIL COST REPORTING:

1. ALL COUNTRY REPORTS TO IEA WOULD BE PREPARED BY THE REPORTING COUNTRY ON STANDARDIZED DATA PROCESSING CARDS PROVIDED BY IEA. A CARD REPORT WOULD BE PREPARED FOR EACH CRUDE OIL STREAM, SHOWING THE DATA PRESCRIBED IN THE GOVERNMENT REPORTING FORM FOR CRUDE OIL COSTS. IN

ADDITION, THE CARD WOULD INDICATE THE NUMBER OF COMPANIES WHOSE REPORTS ARE INCLUDED IN THE GOVERNMENT'S REPORT FOR THAT CRUDE OIL STREAM. THE NAME OF THE SUBMITTING COUNTRY WILL BE INCLUDED ON THE REPORTING CARD.

- 2. ON A PRESCRIBED DATE AND TIME EACH QUARTER A COURIER FROM EACH REPORTING GOVERNMENT WOULD CARRY HIS GOVERNMENT'S REPORTING CARDS TO A DESIGNATED SECURE COMPUTER FACILITY AT IEA HEADQUARTERS, PARIS.
- 3. UNDER THE DIRECTION OF A QUALIFIED, DESIGNATED IEA STAFF MEMBER WITH IEA SECRET CLEARANCE, EACH COURIER WOULD PERSONALLY INSERT HIS GOVERNMENT'S REPORT CARDS INTO THE COMPUTER FOR PROCESSING.
- 4. THE COMPUTER WOULD PROCEED TO PROCESS THESE REPORTING CARDS TO:
- A. COUNT THE NUMBER OF INPUT CARDS.
- B. AGGREGATE ALL INFORMATION BY CRUDE OIL STREAM.
- C. RECORD ON MAGNETIC TAPE CRUDE OIL STREAM TOTALS COMPRISED OF INPUTS FROM THREE OR MORE COUNTRIES.
- D. ANALYZE COUNTRY INPUTS FOR CRUDE STREAMS
  REPORTED BY LESS THAN THREE COUNTRIES. IF TWO COUNTRIES
  REPORT A GIVEN CRUDE OIL STREAM AND EACH OF THOSE
  COUNTRIES REPORTS AT LEAST TWO COMPANIES, ENTER AGGREGATED DATE FOR THAT STREAM ON MAGNETIC TAPE. IF A COUNTRY
  REPORTS A GIVEN CRUDE STREAM FOR THREE OR MORE COMPANIES,
  ENTER THAT COUNTRY'S DATA ON MAGNETIC TAPE IF THAT
  COUNTRY IS THE SOLE RESPONDENT FOR THAT CRUDE OIL STREAM
  OR IF THAT STREAM IS REPORTED ONLY BY ONE OTHER COUNTRY
  WHICH REPORTS FOR A SINGLE COMPANY.
- E. LIST ALL AGGREGATED RECORDS PER C. AND D. ABOVE.
- F. LIST ALL NON-RESPONDING COUNTRIES.

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- 5. THE COMPUTER WOULD BE PROGRAMMED NOT TO RECORD CRUDE OIL STREAM AGGREGATES OTHER THAN THOSE QUALIFYING UNDER C. AND D. ABOVE.
- 6. THE COMPUTER PROGRAM WOULD BE CONTROLLED AS FOLLOWS:
- A. THE PROGRAM WOULD BE MAINTAINED ON MAGNETIC TAPE OR CARDS.
- B. THE PROGRAM WOULD BE STORED IN A SECURE AREA.
- C. THE PROGRAM WOULD BE MOUNTED ONLY AT SUCH TIMES

AS IT IS RECEIVING INPUT.

D. AT THE TIME THIS PROGRAM IS OPERATING, ACCESS TO THE COMPUTER WOULD BE RESTRICTED AND NO OTHER PROGRAM WOULD BE OPERATING.

E. UPON COMPLETION OF THIS RUN, STANDARD ROUTINES WOULD BE EXECUTED TO DESTROY ALL WORKING DISK, TAPE FILES,

AND TO CLEAR ALL CENTRAL PROCESS CORE STORAGE OF RESIDUAL INFORMATION.

IT MUST BE NOTED THAT TO ACCOMPLISH THE DESIRED RESULTS THE COMPUTER PROGRAM MUST:

- 1. COUNT THE NUMBER OF COUNTRIES REPORTING PER CELL.
- 2. INDENTIFY THE NUMBER OF COMPANIES REPORTED BY EACH COUNTRY FOR EACH CRUDE OIL STREAM.
- 3. SUPPRESS AND ERASE FROM AGGREGATED MEMORY ANY CELL OF LESS THAN THREE COUNTRY REPORTS, OTHER THAN THOSE OUALIFYING AS IN 4D, ABOVE.
- 4. AGGREGATE ALL QUALIFYING DATA AND PASS IT TO PERMANENT IEA RECORDS.

FURTHER, IT MUST BE RECOGNIZED THAT IT WOULD BE PHYSICALLY POSSIBLE TO CIRCUMVENT THIS SECURITY SYSTEM BY MANIPULATION OF THE COMPUTER SOFTWARE. HENCE, EACH COUNTRY SHOULD HAVE THE OPPORTUNITY TO THOROUGHLY REVIEW AND TEST THE PROGRAMS TO BE USED FOR PROCESSING OF THESE DATA. THESE PROGRAMS SHOULD NOT BE STORED IN EXECUTABLE FORM. EACH CYCLE OF THE PROGRAMS WOULD BE RUN FROM A COMPILE, LINK AND GO PROCEDURE. COPIES OF THE LISTINGS FROM THE PRIOR PROLIMITED OFFICIAL USE

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CEDURE WOULD BE GIVEN EACH COURIER PRIOR TO DEPARTURE FOR RETURN TO HIS GOVERNMENT.

EACH GOVERNMENT WOULD BE PROVIDED AN OPPORTUNITY TO CONDUCT RANDOM AUDITS OF HARDWARE AND SOFTWARE TO SATISFY ITSELF OF INSTALLATION AND DATA SECURITY. END TEXT. KISSINGER

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## Message Attributes

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